

ICIS FACILITY AND PERMITTING DATA INFORMATION FORM

FORM CAN BE EMAILED ALONG WITH PERMIT (PERFERABLE)

NPDES PERMIT NO: MS0020117

AI NO: 13261

FACILITY SITE NAME: Meridian POTW

TRANSACTION TYPE: Select Transaction Type

MODIFICATION TO PERMIT OR FACILITY (Please give modification details in this section)

What type of modification: (NAME CHANGE/TRANSFER, MODIFICATION TO OUTFALL, BEGIN PHASE II LIMITS, ETC)
For Modifications, attach PAF form along with permit and ICIS form (send via email or interoffice mail).

TERMINATE PERMIT: DATE OF TERMINATION: Enter Termination Date
(TERMINATION OF PERMIT IS IRREVERSIBLE; PERMIT NUMBER CAN NOT BE USED AGAIN. PERMIT GOES AWAY!)
Termination of permit does not terminate the facility or make it inactive in ICIS; facility has no status.

ADDRESS1: 311 27th Avenue

ADDRESS2: <NO_DATA_FOUND>

CITYMeridian, STATE: MS

ZIP CODE: 39301 COUNTY: 075

TELEPHONE NUMBER: (601) 485-1920 SUB-REGION: CRO

NAICS: Enter NAICS Code SIC CODE: 4952 PERMIT WRITER: Dmitriy Asanov

BRANCH CODE: MUNPR TYPE OF APPLICATION:Select Application Type

FACILITY TYPE: Select Facility Type

FACILITY OWNERSHIP: Select Facility Ownership

FEDERAL AGENCY:

ENVIRONMENTAL JUSTICE:

TRIBAL LANDS:

OWNER'S INFORMATION

ORGANIZATION FORMAL NAME:

COGNIZANT OFFICIAL: Mr. Terry Cook Jr.

PHONE: (601) 485-1920

ADDRESS:

CITY:

STATE:

ZIP CODE:

ICIS FACILITY AND PERMITTING DATA INFORMATION FORM

FACILITY GEOGRAPHIC DATA

LATITUDE: +32201872

LONGITUDE: 088441884

SECTION/TOWNSHIP/RANGE: Section: , Township: , Range:

HORIZONTAL ACCURACY MEASURE:

GEOMETRIC TYPE:

HORIZONTAL COLLECTION METHOD: 8

HORIZONTAL REFERENCE DATA: 2

FACILITY SOURCE MAP SCALE NUMBER: N

LAT/LONG DESCRIPTION FIELD: 02099

REFERENCE POINT:

HYDROLOGIC BASIN CODE: **03170001**

ISSUE DATE: 11/14/13

EFFECTIVE DATE: <NO_DATA_FOUND>

EXPIRATION DATE: <NO_DATA_FOUND>

WATER BODY (RECEIVING WATERS): **Directly into**

RIVER BASIN: **Pascagoula River Basin**
Select Code

TOXIC AND BIOASSAY CODE:

FOR PRETREATMENT PERMITS ONLY:

CIU - CATEGORICAL INDUSTRIAL USER CODES (A-G):Select CIU Code

CIU - CATEGORICAL INDUSTRIAL USER CODES (H-O):Select CIU Code

CIU - CATEGORICAL INDUSTRIAL USER CODES (P-Z):Select CIU Code

DMR RECIPIENT MAILING ADDRESS
(For General Permits Only)

DMR RECIPIENT NAME:

PHONE:

RELATIONSHIP TO FACILITY:

ADDRESS:

CITY:

STATE:

ZIP CODE:

PHONE:

ICIS FACILITY AND PERMITTING DATA INFORMATION FORM

PRIMARY DMR MAILING ADDRESS
(Permits other than general permits)

MAILING ADDRESS1: **PO Box 1430**

MAILING ADDRESS2: <NO_DATA_FOUND>

CITY: Meridian, STATE: Mississippi

ZIP CODE: 39302-1430

ALTERNATE DMR MAILING ADDRESS

MAILING ADDRESS1: PO Box 1430

MAILING ADDRESS2: <NO_DATA_FOUND>

CITY: Meridian,

STATE: Mississippi

ZIP CODE: 39302-1430

PERMITTED FEATURE (OUTFALL) GEOGRAPHIC DATA					
PERMITTED FEATURE (OUTFALL)	LIMIT SET DESIG- NATOR	LATITUDE	LONGITUDE	LAT/ LONG METHOD	USGS HYDROGOLIC BASIN CODE
MS0020117-001	Select Designa	+3220187	-08844188	8	03170001
MS0020117-101	Select Designa	+3220187	-08844188	8	
MS0020117-201	Select Designa	+3232565	-088353010	8	
MS0020117-002	Select Designa	+3220187	-08844188	8	03170001

GEOMETRIC TYPE:

REFERENCE POINT:

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

USE THE SPACE TO ADD COMMENTS OR INSTRUCTIONS TO APPEAR ON THE BOTTOM OF THE DMR WHEN IT IS PREPRINTED FOR THE FACILITY.

NARRATIVE CONDITIONS (special permit conditions, with or without dates)

Permit Action Form
Meridian POTW
311 27th Avenue
Lauderdale County
Meridian, MS 39301

Branch Manager: Bradley Crain
SIC: 4952

Recommendations

Folder No. – Activity Type

PER20120003 - MA-Water-NPDES

Permit No.

MS0020117

DEQ Contact

Dmitriy Asanov

Action:

- ☐ Issue
☐ Modification
☐ Transfer
☐ Revoke

- ☒ Reissue
☐ Name Change
☐ Deny

By:

- ☐ Division Chief
☒ Permit Board ←
☐ Terminate

Programs:

Master File

Program	Sub Program	Start Date	End Date	Delete
Water	NPDES Major Municipal	03/14/1995		<input type="checkbox"/>

Marked subprograms should be deleted from the master file by the Master File Administrator

Permit Application

Program	Sub Program	Start Date	End Date
Water	NPDES Major Municipal	03/14/1995	

Air Use Only:

- ☐ Emissions data entered in enSite
☐ Emissions data prepared using Lotus 1-2-3 (Attached)
☐ Permitting action did not change emissions inventory.
☐ AFS form completed.

TMDL Use Only:

'Y' indicates conformance with published TMDLs, 'N' indicates non-conformance.

Published TMDL	FLAG
<NO DATA FOUND>	

Basis:

State of Mississippi Water Quality Criteria, Water Quality Based Effluent Limitations, Water Quality Criteria, Wasteload Allocation (WLA), Total Maximum Daily Load (TMDL)

Coordination

Comments:

The City of Meridian has reached an agreement to supply the treated effluent from both of the City's wastewater treatment POTWs to the Mississippi Power Kemper County facility. The treated effluent will be stored in a reservoir and used for cooling equipment and power steam generators. This will result in limited discharges to Sowashee Creek. The East Meridian POTW will have the ability to pump treated



wastewater directly to the Kemper County facility, or be pumped to the Meridian POTW outfall line. This will result in no further effluent discharges at the current East Meridian POTW outfall line upon the completion of the infrastructure. This draft will contain four (4) monitored outfalls. Outfall 001 will represent the current Meridian POTW treated effluent outfall line into Sowashee Creek. Outfall 002 will represent the combined treated effluent discharges from Meridian POTW and East Meridian POTW. The discharge location for Outfall 002 will be the current Meridian POTW treated effluent outfall line into Sowashee Creek. Outfall 101 will represent an internal outfall after final treatment by Meridian POTW. Outfall 201 will represent an internal outfall after final treatment by East Meridian POTW. Upon construction completion of the infrastructure to connect the wastewater treatment systems to the Kemper County facility the permittee will be regulated by the limitations for Outfall 002, 101, and 201. At that point limitations for Outfall 001 will not apply. The combined effluent discharge will not exceed the current permitted flow of 13 mgd.

Administrative Tasks

Task	Scheduled Date	Completed Date
Application Received	11/15/2012	11/5/2012
Complete Application Received	1/4/2013	4/26/2013
Draft Permit and Rationale Prepared	5/26/2013	4/26/2013
Public Notice Issued	6/10/2013	6/27/2013
Public Notice Completed	7/27/2013	7/27/2013
Process Public Comments	8/6/2013	
Prepare Final Permit/Decision and Supporting Documents		
Issue Permit		NOV 1 2013
Transmittal of Final Permit		
Letter Acknowledging Receipt of Application Issued	11/7/2012	11/15/2012
Early Public Notice of Application Complete	12/6/2012	12/19/2012
Permit Expiration Date		
Draft Permit Sent to Supervisor	4/28/2013	4/26/2013
Administrative Completeness Determined/ Administrative Completeness Letter Sent if Needed	12/20/2012	4/26/2013
EPA review of NPDES "targeted" Permit Begins		4/26/2013

Existing Permits

Permit Number	Description
Water - NPDES	MS0020117

Requirement Profiles:

Category	ID	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
AI	13261	Permit Shell	Individual Permit	Water	NPDES	Municipal Facility			

ICIS FACILITY AND PERMITTING DATA INFORMATION FORM

NPDES PERMIT NO: MS0020117

AI NO: 13261

FACILITY SITE NAME: Meridian POTW

TRANSACTION TYPE: REISSUANCE/RENEWAL

MODIFICATION TO PERMIT OR FACILITY (Please give modification details in this section)

What type of modification: (NAME CHANGE/TRANSFER, MODIFICATION TO OUTFALL, BEGIN PHASE II LIMITS, ETC)
Or attach Permit Transmittal Form along with permit and ICIS form.

TERMINATE PERMIT: DATE OF TERMINATION: Enter Termination Date
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ADDRESS1: 311 27th Avenue

ADDRESS2: <NO DATA FOUND>

CITYMeridian, STATE: MS

ZIP CODE: 39301 COUNTY: Lauderdale

TELEPHONE NUMBER: (601) 485-1920 SUB-REGION: CRO

NAICS: 221320 SIC CODE: 4952 PERMIT WRITER: Dmitriy Asanov

BRANCH CODE: MUNPR TYPE OF APPLICATION:2A - MUNICIPAL

FACILITY TYPE: MUNICIPAL

FACILITY OWNERSHIP: PRIVATE

FEDERAL AGENCY:

ENVIRONMENTAL JUSTICE:

TRIBAL LANDS:

OWNER'S INFORMATION

ORGANIZATION FORMAL NAME:

COGNIZANT OFFICIAL: Mr. Terry Cook Jr.

PHONE: (601) 485-1920

ADDRESS: PO Box 1430

CITY: Meridian

STATE: MS

ZIP CODE: 39302

FACILITY GEOGRAPHIC DATA

LATITUDE: +32201872

LONGITUDE: 088441884

SECTION/TOWNSHIP/RANGE: Section: , Township: , Range:

HORIZONTAL ACCURACY MEASURE:

GEOMETRIC TYPE:

HORIZONTAL COLLECTION MEHTOD: 8

HORIZONTAL REFERENCE DATA: 2

FACILITY SOURCE MAP SCALE NUMBER: N

LAT/LONG DESCRIPTION FIELD: 02099

REFERENCE POINT:

HYDROLOGIC BASIN CODE: 03170001

ISSUE DATE: Enter Issuance Date

EFFECTIVE DATE: <NO DATA FOUND>

EXPIRATION DATE: Enter Expiration Date

AVG DESIGN FLOW: 13.0 (MGD)

WATER BODY (RECEIVING WATERS): Sowashee Creek

RIVER BASIN: Pascagoula River Basin
Select Code

TOXIC AND BIOASSAY CODE:

FOR PRETREATMENT PERMITS ONLY:

CIU - CATEGORICAL INDUSTRIAL USER CODES (A-G):Select CIU Code

CIU - CATEGORICAL INDUSTRIAL USER CODES (H-O):Select CIU Code

CIU - CATEGORICAL INDUSTRIAL USER CODES (P-Z):Select CIU Code

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MAILING ADDRESS1: PO Box 1430

MAILING ADDRESS2: <NO DATA FOUND>

CITY: Meridian, STATE: Mississippi ZIP CODE: 39302-1430

PERMITTED FEATURE (OUTFALL) GEOGRAPHIC DATA					
PERMITTED FEATURE (OUTFALL)	LIMIT SET DESIG- NATOR	LATITUDE	LONGITUDE	LAT/ LONG METHOD	USGS HYDROGOLIC BASIN CODE
MS0020117-001	A - Monthly	+3220187	-08844188	8	03170001
MS0020117-101	A - Monthly	+3220187	-08844188	8	
MS0020117-201	A - Monthly	+3232565	-088353010	8	
MS0020117-002	A - Monthly	+3220187	-08844188	8	03170001

GEOMETRIC TYPE:

REFERENCE POINT:

PERMITTED (OUTFALL) ID TYPE: External Outfall

PIPE CHARACTERISTIC: Domestic (Sanitary) Wastewater

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Activated Sludge

TREATMENT TYPE (M-Z): Select Treatment Type

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

PERMITTED (OUTFALL) ID TYPE: Select Permitted ID Type

PIPE CHARACTERISTIC: Select Pipe Characteristic

PIPE DESCRIPTION:

TREATMENT TYPE (A-L): Select Treatment Type

TREATMENT TYPE (M-Z): Select Treatment Type

USE THE SPACE TO ADD COMMENTS OR INSTRUCTIONS TO APPEAR ON THE BOTTOM OF THE DMR WHEN IT IS PREPRINTED FOR THE FACILITY.

NARRATIVE CONDITIONS (special permit conditions, with or without dates)

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 001 (Hydrostatic Test Discharge)**

RPNT0000000001: MSG130408-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Chlorine, total residual Effluent</i>	*****	*****	*****	*****	*****	0.019 Semi Maximum	mg/L	Once per Discharge Event	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	*****	Report Semi Maximum	Million Gallons per Day	*****	*****	*****	*****	Once per Discharge Event	Estimate	Jan-Dec
<i>Oil and grease Effluent</i>	*****	*****	*****	*****	*****	15 Semi Maximum	mg/L	Once per Discharge Event	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Once per Discharge Event	Grab Sampling	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	*****	*****	*****	*****	*****	90 Semi Maximum	mg/L	Once per Discharge Event	Grab Sampling	Jan-Dec

COUNTY OF LAUDERDALE }
CITY OF MERIDIAN

Office
Mississippi Department of Environmental
Quality Permit Board
P. O. Box 2261
Jackson, MS 39225
Telephone No. (601) 961-5171

Public Notice Start Date:
June 27, 2013

MDEQ Contact: Bradley Crain
Deadline For Comment:
July 27, 2013

Meridian POTW, located at 311
27th Avenue, in Meridian, MS,
(601) 484-8835, has applied to
the Mississippi Department of
Environmental Quality for the fol-
lowing permitting action(s): Modifi-
cation to Permit No.
MS0020117. The applicant's op-
erations fall within SIC Code
4952.

Meridian POTW's (MS0020117)
operation is the collection and
treatment of domestic / municipal
wastewater. Two discharge out-
falls (Outfall 001 and Outfall 002)
are described in the draft permit.
Outfall 001 and Outfall 002 de-
scribe the same effluent outfall
line into Sowashee Creek. Outfall
001 represents the current Meri-
dian POTW treated effluent out-
fall line into Sowashee Creek. Out-
fall 002 will represent the
combined treated effluent dis-
charges from Meridian POTW
and East Meridian POTW. Out-
fall 101 is an internal outfall rep-
resenting effluent after final treat-
ment by Meridian POTW. Outfall
201 is an internal outfall rep-
resenting effluent after final treat-
ment of East Meridian POTW.
No increase in permitted flow is
requested in the application.

The staff of the Permit Board has
developed this draft permit based
on information submitted to the
Permit Board by the applicant,
appropriate State and Federal
agencies and other interested
parties. The staff of the Permit
Board is soliciting all relative in-
formation pertaining to the pro-
posed activity, including public
comment, to ensure that the final
staff recommendation on the
draft permit complies with all
State and Federal regulations.
Public review and comment on
the draft permit and supporting
documentation is an important el-
ement in the staff evaluation and
resulting recommendation to the
Permit Board. The draft permit
conditions have been developed
to ensure compliance with all
State and Federal regulations but
are subject to change based on
information received as a result
of public participation.

Persons wishing to comment
upon or object to the proposed
determinations are invited to sub-
mit comments in writing to Brad-
ley Crain at the Permit Board's
address shown above, no later
than July 27, 2013. All com-
ments received by this date will
be considered in the formulation
of final determinations regarding
the application(s). A public hear-
ing will be held if the Permit
Board finds a significant degree
of public interest in the proposed
permit(s). The Permit Board is
limited in the scope of its analy-
sis to environmental impact. Any
comments relative to zoning or
economic and social impacts are
within the jurisdiction of local
zoning and planning authorities
and should be addressed to
them.

Additional details about the appli-
cation(s), including a copy of the
draft permit(s), are available by
writing or calling Lorenzo Bodie
at the above Permit Board ad-
dress and telephone number.
Additionally, as a courtesy, for
those with Internet access, a
copy of the proposed draft per-
mit(s) may be found on the Mis-
sissippi Department of Environ-
mental Quality's website at:
<http://opc.deq.state.ms.us/publicnotice.aspx>. This information is
also available for review at the
following location(s) during nor-
mal business hours:

Mississippi Department of
Environmental Quality
Office of Pollution Control
515 E. Amite St
Jackson, MS 39201
Meridian Public Library
2517 7th Street
Meridian, MS 39301

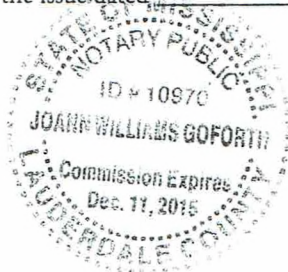
Please bring the foregoing to the
attention of persons whom you
know will be interested.

06/25/2013

I, Missy Spears Clerk of The Meridian Star, a newspaper published
daily at Meridian, Mississippi, do solemnly swear that a copy of this notice, as per clipping attached, was
published once a week for 1 weeks in the regular and entire issue of said newspaper, and not in
any supplement thereof, to-wit:

in the issue dated 6/25, 2013, and in the issue dated _____, 20____, and

in the issue dated _____, 20____, and in the issue dated _____, 20____.



1942 Sec. Code, Sec. 1738

Missy Spears Clerk
Sworn to and subscribed before me, this the 25 day of

June, 2013
[Signature]
Notary Public

PERMIT RATIONALE FOR MODIFICATION
Meridian POTW
Lauderdale County
Meridian, Mississippi
Water NPDES No. MS0020117
April 26, 2013

CLASSIFICATION - Municipal Major

DESCRIPTION OF WASTEWATER – Domestic/ Municipal Wastewater

PURPOSE OF MODIFICATION – The City of Meridian has reached an agreement to supply the treated effluent from both of the City's wastewater treatment POTWs to the Mississippi Power Kemper County facility. The NPDES permit was modified on April 25, 2012 to address the agreement for the City of Meridian to supply wastewater Mississippi Power. The infrastructure required to supply the wastewater has been installed, and is in the start-up phase of operation. The City of Meridian requested that the permit be modified again based on actual operational conditions that became apparent during the start-up phase. The following is list of the changes:

- Fecal coliform limitations were removed from internal outfall 101 and 201 due to redundancy. Fecal coliform limitations required at outfall 002 before discharging to Sowashee Creek.
- Chlorine limitations were revised in internal outfall 101 from 0.011 mg/l monthly average to 0.3 mg/l minimum. The 0.3 mg/l limitation is required to ensure that an adequate supply of chlorine is the effluent from 101 to disinfect the effluent from internal outfall 201 when mixed. Outfall 002 has a 0.011 mg/l monthly average limitation to protect Sowashee Creek from chlorine toxicity.
- Corrected the seasonal limitation for BOD5 on internal outfall 101. The limitations were reversed based on the seasons.
- The flow on internal Outfall 201 will be done by calculations based on volume measurement, and not a continuous recorder.
- Sample types that were 24hr composites on internal outfall 201 have been changed to 8hr composites. The discharge period at 201 does not last longer than 8 hours.
- Corrected the seasonal limitations for BOD5 and Ammonia Nitrogen on outfall 002. The limitations were reversed based on the seasons.
- Added the following narrative requirement, "Effluent limitations and monitoring requirements for Outfalls 001, 002, 101, 201 as listed in this permit will only be applicable when the treated effluent from that outfall is ultimately discharged into Sowashee Creek." This means that if the effluent is sent to the Mississippi Power plant, then the effluent limitations and monitoring requirements will not apply.
- Added the following narrative requirement, "The facility shall record and make available upon request the durations of all discharges of treated wastewater from Outfall 002."

DESCRIPTION OF WASTEWATER TREATMENT – For Outfall 001 and Outfall 101 wastewater is collected and treated via second stage activated sludge followed by chlorination disinfection. For Outfall 201 wastewater is collected and treated via a sequencing batch reactor (SBR) followed by UV disinfection and post-aeration. **See attachment No. 1 for flow diagram.**

RECEIVING WATERS- Outfall 001 and 002 will discharge directly to Sowashee Creek. **See attachment No. 2 for discharge location map.** Sowashee Creek is classified as Fish and Wildlife, and is in the Pascagoula River Basin. The discharge is listed in a proposed TMDL for organic enrichment and low do in Sowashee Creek. Hence, a future TMDL may impose more stringent effluent limits. The effluent limitations included in the permit comply with load allocations given in the TMDL. A condition has been added to the permit which allows it to be reopened for revision based on a future TMDL.

The instream wastewater concentration (IWC) 7Q10 at the point of discharge is determined by the following calculation:

IWC calculation is as follows:

Q_w = Design flow of the wastewater treatment facility = 13 MGD or 20.1 cfs

Q_r = Receiving stream 7Q10 = 0.5 cfs

$IWC = (Q_w / (Q_w + Q_r)) * 100 = (20.1 / 20.1 + 0.5) = 97 \%$

APPLICABLE GUIDELINES – State of Mississippi Water Quality Criteria & “Wastewater Regulations for National Pollutant Discharge Elimination System Permits, Underground Injection Control Permits, State Permits, Water Quality Based Effluent Limitations, Water Quality Criteria (MSWQC), Water Quality Certification” applicable. Wasteload Allocation (WLA), Total Maximum Daily Load (TMDL)

SUMMARY OF LIMITATIONS –

Outfall 001 (Current Meridian POTW treated effluent outfall line into Sowashee Creek)

<u>Parameter</u>	<u>Value</u>	<u>Basis</u>
Flow	13.0 MGD	Design
CBOD ₅ (May-Oct)	7 mg/l (Monthly Avg.)	WLA
CBOD ₅ (Nov-Apr)	10 mg/l (Monthly Avg.)	WLA
CBOD ₅ (Percent Removal)	85% Minimum	Technology
TSS	30 mg/l (Monthly Avg.)	Technology
TSS (Percent Removal)	85% Minimum	Technology
NH ₃ -N (May-Oct)	1 mg/l (Monthly Avg.)	WLA
NH ₃ -N (Nov-Apr)	2 mg/l (Monthly Avg.)	WLA
Dissolved Oxygen	≥ 6.0 mg/l (Monthly Avg.)	WLA
Fecal Coliform	200 mg/l (Monthly Avg.)	WPC-2
pH	6.0 – 9.0 SU	WPC-2
Chlorine, Total Residual	0.011 / 0.019 mg/l	WPC-2, IWC
Copper, Total Recoverable	0.0051 / 0.0072 mg/l	WPC-2, IWC
Cyanide (Free – Amen to Chlor.)	0.0053 / 0.0226 mg/l	WPC-2, IWC
Total Nitrogen	Report	*
Total Phosphorus	Report	*

The minimum and maximum values for Dissolved Oxygen in aeration unit and 30-Minute Sludge Settleability in aeration unit must be reported

Outfall 002 (Combined effluent from internal Outfalls 101 and 201 into Sowashee Creek)

<u>Parameter</u>	<u>Value</u>	<u>Basis</u>
Flow	13.0 MGD	Design
CBOD ₅ (May-Oct)	759 lbs/day (Monthly Avg.)	WLA
CBOD ₅ (Nov-Apr)	1084 lbs/day (Monthly Avg.)	WLA
TSS	3253 lbs/day (Monthly Avg.)	Technology
NH ₃ -N (May-Oct)	108 lbs/day (Monthly Avg.)	WLA
NH ₃ -N (Nov-Apr)	217 lbs/day (Monthly Avg.)	WLA
Dissolved Oxygen	≥ 6.0 mg/l (Monthly Avg.)	WLA
Fecal Coliform	200 mg/l (Monthly Avg.)	WPC-2
pH	6.0 – 9.0 SU	WPC-2
Chlorine, Total Residual	0.011 / 0.019 mg/l	WPC-2, IWC
Total Nitrogen	Report	*
Total Phosphorus	Report	*

Outfall 101 (Internal outfall after final treatment by Meridian POTW)

<u>Parameter</u>	<u>Value</u>	<u>Basis</u>
Flow	13.0 MGD	Design
CBOD ₅ (May-Oct)	7 mg/l (Monthly Avg.)	WLA
CBOD ₅ (Nov-Apr)	10 mg/l (Monthly Avg.)	WLA
CBOD ₅ (Percent Removal)	85% Minimum	Technology
TSS	30 mg/l (Monthly Avg.)	Technology
TSS (Percent Removal)	85% Minimum	Technology
NH ₃ -N (May-Oct)	1 mg/l (Monthly Avg.)	WLA
NH ₃ -N (Nov-Apr)	2 mg/l (Monthly Avg.)	WLA
pH	6.0 – 9.0 SU	WPC-2
Chlorine, Total Residual	0.3 mg/l minimum	Calculation
Copper, Total Recoverable	0.0051 / 0.0072 mg/l	WPC-2, IWC
Cyanide (Free – Amen to Chlor.)	0.0053 / 0.0226 mg/l	WPC-2, IWC
Total Nitrogen	Report	*
Total Phosphorus	Report	*

The minimum and maximum values for Dissolved Oxygen in aeration unit and 30-Minute Sludge Settleability in aeration unit must be reported

Outfall 201 (Internal outfall after final treatment by East Meridian POTW)

<u>Parameter</u>	<u>Value</u>	<u>Basis</u>
Flow	13.0 MGD	Design
CBOD ₅ (May-Oct)	7 mg/l (Monthly Avg.)	WLA
CBOD ₅ (Nov-Apr)	10 mg/l (Monthly Avg.)	WLA
CBOD ₅ (Percent Removal)	85% Minimum	Technology
TSS	30 mg/l (Monthly Avg.)	Technology
TSS (Percent Removal)	85% Minimum	Technology
NH ₃ -N (May-Oct)	1 mg/l (Monthly Avg.)	WLA
NH ₃ -N (Nov-Apr)	2 mg/l (Monthly Avg.)	WLA
Fecal Coliform	200 mg/l (Monthly Avg.)	WPC-2
pH	6.0 – 9.0 SU	WPC-2
Total Nitrogen	Report	*
Total Phosphorus	Report	*

The minimum and maximum values for Dissolved Oxygen in aeration unit and 30-Minute Sludge Settleability in aeration unit must be reported

Attachments

- Attachment 1 See September 11, 2011 Application
- Attachment 2 See September 11, 2011 Application
- Attachment 3 See September 11, 2011 Application

***Total Nitrogen and Total Phosphorus monitoring was added to the permit based on Gulf Coast Hypoxia.**

The combined effluent discharge from Outfall 101 and Outfall 201 shall not total over 13 million gallons per day (Monthly Average).

The limitations for East Meridian POTW were reduced from the previous issuance in order to reflect the effluent concentration required by Meridian POTW.

BOD5, NH3-N and DO limits are based on the Wasteload Allocation and STREAM modeled, which accounts for oxygen depletion in the receiving stream. The toxicity limit for NH3-N was determined. For NH3-N the more stringent of the modeled limit and the toxicity limit is what is given in the Wasteload Allocation, to meet Water Quality Based Effluent Limitations (WQBELs).

Upon permit issuance the Permittee shall operate under the Effluent Limitations and Monitoring Requirements for Outfall 001. Effluent Limitations and Monitoring Requirements for Outfalls 002, 101, and 201 shall not apply. Upon completion and operation of the infrastructure to connect Meridian POTW, East Meridian POTW, and Mississippi Power Company's Kemper County Facility the Permittee shall operate under the Effluent Limitations and Monitoring Requirements for Outfalls 002, 101, and 201. Effluent Limitations and Monitoring Requirements for Outfall 001 shall not apply.

MERIDIAN POTW

The permitting action being brought before the Permit Board today is the proposed modification of NPDES Permit Ref. No. MS0020117, for Meridian POTW. This facility is also known as South Meridian POTW. The facility is located on Highway 11, Meridian, MS in Lauderdale County. The NPDES Permit Ref. No. MS0020117 allows for the discharge of treated municipal wastewater effluent from South Meridian POTW, and ultimately East Meridian POTW, into Sowashee Creek.

The proposed draft NPDES permit modification contains numerous regulatory limitations and constraints. The purpose of the modification was to correct permit limitation errors, remove redundancy in permit limitations, and to clarify that the frequency of monitoring for all permitted parameters is only required when the treated effluent is discharged into Sowashee Creek.

As part of the permitting process, a Public Notice of the proposed permit action was issued on June 27, 2013, and lasted until July 2, 2013. During the notice period the Department did receive public comments. The public comments were thoroughly examined by Department Staff. The Permit Board has received a copy of the public comments, staff's responses to comments, and a copy of the draft permit and rationale.

Interested parties were notified of this Permit Board meeting and I believe we have visitors. Staff has a recommendation but would like to yield to the Permit Board at this time.

Recommendation: Staff believes the environmental permit has been developed with the proper constraints, limits and requirements such that the facility could operate within all state and federal environmental laws and regulations. Staff recommends issuance of the permit as drafted.



Fw: East Meridian
TerryCook
to:
Bradley_Crain
11/05/2013 09:31 AM
Hide Details
From: TerryCook@meridianms.org
To: Bradley_Crain@deq.state.ms.us,

Bradley,

I have been discussing everything with MP and as soon as the samplers are moved The City is going to push (demand) for reverse flow and stop all discharge to Sowashee from East Meridian. As you can see from the previous emails there is somewhat of a plan in place. If you have any questions please call me or email me. Sorry for the slow response.

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----- Forwarded by Terry Cook/COM on 11/05/2013 09:25 AM -----

From: "McFarland, Jay" <JDMcFarl@southernco.com>
To: "TerryCook@meridianms.org" <TerryCook@meridianms.org>
Date: 11/05/2013 09:16 AM
Subject: Re: East Meridian

I'm in Birmingham so I haven't gotten an update on how testing went yesterday and what activities are planned today. I did pass on your preference to the team to go ahead and move the automatic sampler at the main plant. That work, and moving the sampler at the east plant, should all be completed by the 12th/13th when the permit is modified. After that, we should be able to support whichever decision you make as to where to discharge.

I'd like to get down and talk with you and Hugh tomorrow or Thursday to make sure all of the issues are addressed and to make sure there isn't anything left hanging. Can the two of you be available?

- Jay

On Nov 5, 2013, at 7:32 AM, "TerryCook@meridianms.org" <<mailto:TerryCook@meridianms.org>>>
<TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>>> wrote:

Jay,

What did you decide. Coming from Hugh he says "As I stated in our previous conversation, we are going to reverse flow until they take water from the East Plant." So as you can see this is what the city wants. Did you talk to Bradley Crane?

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From: "McFarland, Jay" <JDMcFarl@southernco.com><<mailto:JDMcFarl@southernco.com>>>
To: "TerryCook@meridianms.org" <<mailto:TerryCook@meridianms.org>>>" <TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>>>
Date: 11/04/2013 10:00 AM
Subject: Re: East Meridian

I'm tied up a good bit this morning but will try to call right after 11? Is that alright?

On Nov 4, 2013, at 9:51 AM, "TerryCook@meridianms.org" <<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>>
<TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>>><<mailto:TerryCook@meridianms.org>>> wrote:

Jay can you give me a call at 601-485-1817
Terry W. Cook, Jr.
Chief Utility Plant Operator, Wastewater
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terrycook@meridianms.org<<mailto:terrycook@meridianms.org>><<mailto:terrycook@meridianms.org>>
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From: "McFarland, Jay" <JDMcFarl@southernco.com><<mailto:JDMcFarl@southernco.com>><<mailto:JDMcFarl@southernco.com>>>
To: "TerryCook@meridianms.org" <<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>>" <TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>>>
<TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>>><<mailto:TerryCook@meridianms.org>>>

Cc: "Nunez, Anna M." <AMSimpso@southernco.com<mailto:AMSimpso@southernco.com><mailto:AMSimpso@southernco.com>>, "Hugh Smith Jr." <hughsmith@meridianms.org<mailto:hughsmith@meridianms.org><mailto:hughsmith@meridianms.org>>
 Date: 11/04/2013 08:26 AM
 Subject: Re: East Meridian

That's right - but remember that the permit (as it stands today) requires you to meet fecal limits *at* the East Plant internal outfall 201. That was the main change that we got in this permit mod was to drop those requirements. Your sampling type and frequency at 201 also changed.

So for this week (up until the 12th when they approve the permit mod), I think the choice is 1) discharge at Sowahee and fight BOD or 2) reverse flow and watch fecal counts at the east plant - which I think you generally meet without treatment - and modify your sampling program for the week.

Also, I think you probably want to keep the automatic sampler at the far manhole at the main plant like it currently is because we intend to reverse flow for a while. At some point next year when we start taking water again, we can move it back for your 101 outfall monitoring (Main POTW performance) and put the manual sample pump down at 002 as originally designed since it will be less likely that you're discharging to the creek. We can discuss that more.

Does all of that sound right? Anna, Steve and the team are testing reverse flow today to make sure everything (chlorination/dechlorination systems) functions in automatic like it should. If no issues, we can be ready to support you however you need to operate.

On Nov 4, 2013, at 7:33 AM,
 "TerryCook@meridianms.org<mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org>" <TerryCook@meridianms.org<mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org>> wrote:

Jay correct me if I am wrong, but the reason for hooking up the #4 cell c12 line over to the pipe was to help during reverse flow. This will help with the fecals and the sampling can be corrected by moving the samplers. Hugh is out of town this week.

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From: "McFarland, Jay"
 <JDMcFarl@southernco.com<mailto:JDMcFarl@southernco.com><mailto:JDMcFarl@southernco.com><mailto:JDMcFarl@southernco.com>>
 To: "TerryCook@meridianms.org<mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org>" <TerryCook@meridianms.org<mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org>>
 Cc: "Nunez, Anna M." <AMSimpso@southernco.com<mailto:AMSimpso@southernco.com><mailto:AMSimpso@southernco.com><mailto:AMSimpso@southernco.com>>, "Hugh Smith Jr." <hughsmith@meridianms.org<mailto:hughsmith@meridianms.org><mailto:hughsmith@meridianms.org><mailto:hughsmith@meridianms.org>>
 Date: 11/01/2013 10:41 PM
 Subject: RE: East Meridian

Thanks Terry - we are still having some internal conversations to determine how all of this will work but can you confirm one more thing for me?

You are having trouble remaining in compliance with your existing East plant permit because of the reduced Phase II BOD limits. BUT - while we're still waiting on the "Combined Permit" modification to be approved (expected on the 12th), if we start reverse flowing and implement the Combined Permit in it's "current" form, then you would have trouble meeting fecal and sampling requirements in it (why we need the modification in the first place). So until the permit modification is approved, you're in a bind whichever way you go? It's worth noting, if I understand correctly, that the current Main plant permit also cannot accept the reverse flow from the East plant which is why you'd have to rely on and implement the Combined Permit in its current form.

I'm also assuming that since we've been working with and pressing MDEQ for this modification for over a year (originally anticipated to be completed in the June '13 timeframe by coincidence), it would be difficult for them to hold an enforcement action over you since they haven't given you the revised permit in a timely manner?

We are working to finalize reverse flow testing and making sure that all of the new controls work as anticipated. I believe Anna has this scheduled for the first part of the week.

I'd like to talk to you and Hugh at some point after that, discuss those results, the issues I mentioned above and a timeline once MDEQ finalizes the permit modification to make sure we're all on the same page. Are the two of you generally available next week?

Thanks!
 Jay

From: TerryCook@meridianms.org<mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org><mailto:TerryCook@meridianms.org>
 [mailto:TerryCook@meridianms.org]
 Sent: Friday, November 01, 2013 2:41 PM
 To: McFarland, Jay
 Cc: Nunez, Anna M.;
 Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org>
 Subject: Re: East Meridian

Jay,

T-14 on page 7

The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule:
 Upon issuance of this permit, the permittee shall achieve compliance with the effluent limitations specified for the parameters noted as Phase I; Phase II limitations shall not apply at this time. Beginning upon completion and start-up of improvements needed to comply with Phase II limitations, but no later than three (3) years after the effective date of the permit, the permittee shall achieve compliance with the effluent limitations specified for the parameters noted as Phase II; Phase I limitations shall not apply at this time. The permittee shall notify our office orally at least 24 hours prior to start-up and in

writing no later than 48 hours after
start-up of improvements. [WPC-1 Chapter One Section IV.A(9)]

Date of Permit issue was June 08 2010

The water use agreement was put in place in 2009. I was not here but I am positive that when the permit was issued that the full thought was that Mississippi Power would have the Kemper plant using some water so that East Meridian was not discharging by the time of the Phase II change over. Even during the talks with MDEQ, City of Meridian and Mississippi Power over the permit there was an understanding that the Kemper plant would be able to use the water available from East Meridian.

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From: "McFarland, Jay"
<JDMcFarl@southernco.com><<mailto:JDMcFarl@southernco.com>><<mailto:JDMcFarl@southernco.com>>
To: "TerryCook@meridianms.org"<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
<TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
Cc: "Nunez, Anna M."
<AMSimpso@southernco.com><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>>, "Hugh Smith Jr."
<hughsmith@meridianms.org><<mailto:hughsmith@meridianms.org>><<mailto:hughsmith@meridianms.org>>
Date: 11/01/2013 01:45 PM
Subject: Re: East Meridian

Also - we've been having a lot of discussions trying to understand and evaluate all of the different risk exposure and options - especially with regard to extended Reverse Flow operation. We're having trouble relying on this option for 6-9 months when the design consideration was more emergency/short-term usage only as a last resort.

I still intend to send you a timeline this afternoon of what MPC still needs to do once the permit modification is approved so that you can respond to MDEQ.

Can you help us with understanding the "Phase II" requirement, how the City would have complied had Kemper not been an option or what other options might be available to continue discharging to the creek while simultaneously meeting BOD requirements?

On Nov 1, 2013, at 1:16 PM,
"TerryCook@meridianms.org"<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
<TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
wrote:

Jay,

The BOD monthly average from June has been between 2.4-1.3 on the weekly M/A it is 3.5-1.8. It is not just the one it is both. If you bust on either or both that is a violation. Going into the winter months the BOD goes higher. In the past two years it has gotten up to 10.5 Weekly and 8.2 Monthly. If we continue with this permit we will go out of compliance. If MP starts using the water or reverse flow the permit is no longer valid.

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From: "McFarland, Jay"
<JDMcFarl@southernco.com><<mailto:JDMcFarl@southernco.com>><<mailto:JDMcFarl@southernco.com>><<mailto:JDMcFarl@southernco.com>>
To: "TerryCook@meridianms.org"<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
<TerryCook@meridianms.org><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
Date: 11/01/2013 11:40 AM
Subject: Re: East Meridian

Terry - what did you say the BOD monthly average at the East Plant had been running since June?

On Nov 1, 2013, at 10:44 AM, "Nunez, Anna M."
<AMSimpso@southernco.com><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>>
wrote:

Terry,

I spoke with Jay McFarland. As he discussed with you yesterday afternoon, he is working with our MPC Environmental group today on this issue. He will respond to you later today with more information.

Regards,
Anna

Anna Nunez, P.E. | Kemper County IGCC - Pipeline Project Mgr | Southern Company Generation | Office 205.992.5816 | Cell 205.438.0079 | LINC

1-15-5816

From: TerryCook@meridianms.org<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
 Sent: Friday, November 01, 2013 8:36 AM
 To: Nunez, Anna M.
 Cc: Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org>
 McFarland, Jay; Burrell, Marvin D.; Litchfield, Michael; McVay, Morgan; Crabtree, Steven
 Subject: RE: East Meridian

Anna,

This date was given to MDEQ during all the talks about the Main POTW permit rewrite back in April. If we continue to discharge then we will automatically fall into Phase II. The Effluent BOD in phase I is 10 Monthly Average and 15 Maximum Weekly Average / Under Phase II it is 2 Monthly Average and 3 Maximum Weekly Average. MDEQ and the City wants the discharge from East Meridian to Sowashee to Stop. Can any one give me a reason why the reverse flow could not be put into use. If this was implemented the sampler could be relocated and the pumps removed. This by the time table discussed months back was already supposed to have been done.

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From:

"Nunez, Anna M."
 <AMSimpso@southernco.com><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>>
 To:

"TerryCook@meridianms.org<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
 <<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>

Cc:

"Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org>
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 "McFarland, Jay"
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 "Crabtree, Steven"
 <X2SCRABT@SOUTHERNCO.COM><<mailto:X2SCRABT@SOUTHERNCO.COM>><<mailto:X2SCRABT@SOUTHERNCO.COM>><<mailto:X2SCRABT@SOUTHERNCO.COM>><<mailto:X2SCRABT@SOUTHERNCO.COM>>
 "Litchfield, Michael"
 <MLITCHFI@SOUTHERNCO.COM><<mailto:MLITCHFI@SOUTHERNCO.COM>><<mailto:MLITCHFI@SOUTHERNCO.COM>><<mailto:MLITCHFI@SOUTHERNCO.COM>><<mailto:MLITCHFI@SOUTHERNCO.COM>>
 "Burrell, Marvin D."
 <MDBURREL@southernco.com><<mailto:MDBURREL@southernco.com>><<mailto:MDBURREL@southernco.com>><<mailto:MDBURREL@southernco.com>><<mailto:MDBURREL@southernco.com>>

Date:

10/31/2013 04:35 PM

Subject:

RE: East Meridian

Thank you Terry. We are reviewing the East Plant Permit now and see the reference to Phase II.

Do you recall when and where the October 2013 date was communicated to MDEQ? Would MDEQ be willing to extend that grace period out to a future date? Which of the parameters at the East Plant are out of compliance?

Anna

Anna Nunez, P.E. | Kemper County IGCC - Pipeline Project Mgr | Southern Company Generation | Office 205.992.5816 | Cell 205.438.0079 | LINC 1-15-5816

From: TerryCook@meridianms.org<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
 Sent: Thursday, October 31, 2013 3:35 PM
 To: Nunez, Anna M.
 Cc: Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org>
 McFarland, Jay; McVay, Morgan
 Subject: RE: East Meridian

Anna,

The reason for MDEQ getting involved is that the City and M.P. told them (back in April) that the East Plant would not be discharging to Sowashee past the first of October 2013. They were okay with that, because that would end the East Meridian POTW permit. Under that permit in Phase II (that should have started back in June) the Effluent BOD is 2.0 mg/L Max Weekly. The East plant is/will be out of compliance under this new rule. The only way not to put the city in a position of being out of compliance is to discharge East Meridian to Kemper or with the Main POTW to Sowashee.

Plus in doing this we need to set up the sampling stations.

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From:

"Nunez, Anna M."
AMSimpso@southernco.com<<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>><<mailto:AMSimpso@southernco.com>>

To:

[illegible]

"Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.>
<Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.

Date:
10/31/2013 03:01 PM
Subject:
RE: East Meridian

Terry,
Jay McFarland will be calling you shortly to discuss further.
Can you elaborate on why MDEQ is asking these questions?
Thanks,
Anna

Anna Nunez, P.E. | Kemper County IGCC - Pipeline Project Mgr | Southern Company Generation | Office 205.992.5816 | Cell 205.438.0079 | LINC 1*15*5816

From: TerryCook@meridianms.org<<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>><<mailto:TerryCook@meridianms.org>>
[<mailto:TerryCook@meridianms.org>]
Sent: Thursday, October 31, 2013 2:59 PM
To: Nunez, Anna M.; McFarland, Jay; McVay, Morgan
Cc: Hugh_Smith/COM@MeridianMS.org<mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org><mailto:Hugh_Smith/COM@MeridianMS.org>
Subject: East Meridian

What is the status of removing the pumps at East meridian? I need an exact time line on this forMDEQ purposes. Can we go ahead and change the discharge to gravity from the basin at East Meridian to the main pump station and letting it discharge with the Main POTW in to Sowaeshee?

Terry W. Cook, Jr.
Chief Utility Plant Operator, Wastewater
Cell: 601.616.3328
Bus: 601.485.1815
Post Office Box 1430
2304 Highway 11 South
Meridian, MS 39302-1430
terrycook@meridianms.org<<mailto:terrycook@meridianms.org>><<mailto:terrycook@meridianms.org>><<mailto:terrycook@meridianms.org>><<mailto:terrycook@meridianms.org>>
www.meridianms.org

ENTERED BY *LR*

PERMIT BOARD REPORT

MAR 11 2014

Permit Action Form
Meridian POTW
 311 27th Avenue
 Lauderdale County
 Meridian, MS 39301

Branch Manager: Bradley Crain
SIC: 4952

Recommendations

Folder No. – Activity Type

PER20140001 - MA-Water-NPDES-ADMIN

Permit No.

MS0020117

DEQ Contact

Christopher Messimore

Action:

- ☐ Issue
☒ Modification
☐ Transfer
☐ Revoke

- ☐ Reissue
☐ Name Change
☐ Deny

By:

- ☒ Division Chief
☐ Permit Board
☐ Terminate

Programs:

Master File

Program	Sub Program	Start Date	End Date	Delete
Water	NPDES Major Municipal	03/14/1995		<input type="checkbox"/>

Marked subprograms should be deleted from the master file by the Master File Administrator

Permit Application

Program	Sub Program	Start Date	End Date
Water	NPDES Major Municipal	03/14/1995	

Air Use Only:

- ☐ Emissions data entered in enSite
☐ Emissions data prepared using Lotus 1-2-3 (Attached)
☐ Permitting action did not change emissions inventory.
☐ AFS form completed.

TMDL Use Only:

'Y' indicates conformance with published TMDLs, 'N' indicates non-conformance.

Published TMDL	FLAG
----------------	------

Basis: State of Mississippi Regulations, Admin Mod

Coordination

Comments: This modification is a correction to the expiration date of the permit.

CAS

Administrative Tasks

Task	Scheduled Date	Completed Date
Receive Name Change / Transfer Request		
Issue Permit		
Permit Expiration Date		
Send Name Change / Transfer Approval Letter		

Existing Permits

Permit Number	Description
Water - NPDES	MS0020117

Requirement Profiles:

Category	ID	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
AI	13261	Permit Shell	Individual Permit	Water	NPDES	Municipal Facility			



State of Mississippi

WATER POLLUTION CONTROL PERMIT



Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

THIS CERTIFIES

Meridian POTW

311 27th Avenue

Meridian, MS

Lauderdale County

has been granted permission to discharge wastewater in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: **NOV 12 2013**

Expires: **MAY 31 2015**

Permit No. MS0020117

Agency Interest # 13261

State of Mississippi

FILE COPY

WATER POLLUTION CONTROL PERMIT

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

THIS CERTIFIES

Meridian POTW
311 27th Avenue
Meridian, MS
Lauderdale County

has been granted permission to discharge wastewater in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: NOV 1 2013

Expires: OCT 31 2018

Permit No. MS0020117

Agency Interest # 13261

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General Information.....A-1

Other Relevant Documents:

 Cover Letter, Lab Data, Form 2A

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Meridian POTW

Subject Item Inventory

Permit Number:MS0020117

Activity ID No.: PER20120003

Subject Item Inventory:

ID	Designation	Description
AI13261	MS0020117	Municipality
RPNT1	MS0020117-001	Outfall 001 (Domestic / Municipal Wastewater Effluent)
RPNT2	MS0020117-101	Outfall 101 (Internal Outfall from Meridian POTW)
RPNT3	MS0020117-201	Outfall 201 (Internal Outfall from East Meridian POTW)
RPNT4	MS0020117-002	Outfall 002 (Combined Domestic / Municipal Wastewater Effluent from Outfall 101 and 201)

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
RPNT1 Outfall 001 (Domestic / Municipal Wastewater Effluent)	Discharges Into	Sawashee Creek
RPNT4 Outfall 002 (Combined Domestic / Municipal Wastewater Effluent from Outfall 101 and 201)	Discharges Into	Sawashee Creek

KEY

ACT = Activity

AREA = Area

CT = Control Device

IA = Insignificant Activity

PCS = PCS

TRMT = Treatment

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 001 (Domestic / Municipal Wastewater Effluent)**

RPNT0000000001: MS0020117-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	217 Monthly Average	325 Maximum Weekly Average	pounds per day	*****	2 Monthly Average	3 Maximum Weekly Average	mg/L	Daily	24-hr Composite	Dec-Apr
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	108 Monthly Average	163 Maximum Weekly Average	pounds per day	*****	1 Monthly Average	1.5 Maximum Weekly Average	mg/L	Daily	24-hr Composite	May-Nov
<i>Ammonia Nitrogen, Total (as N) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Chlorine, total residual Effluent</i>	*****	*****	*****	*****	0.011 Monthly Average	0.019 Maximum Weekly Average	mg/L	Daily	Grab Sampling	Jan-Dec
<i>Copper (Total Recoverable) Effluent</i>	*****	*****	*****	*****	0.0051 Monthly Average	0.0072 Maximum Weekly Average	mg/L	Monthly	Grab Sampling	Jan-Dec
<i>Cyanide (Free-Amen. to Chlorination) Effluent</i>	*****	*****	*****	*****	0.0053 Monthly Average	0.0226 Maximum Weekly Average	mg/L	Monthly	Grab Sampling	Jan-Dec
<i>Fecal coliform, general Effluent</i>	*****	*****	*****	*****	200 Monthly Average	400 Maximum Weekly Average	# of colonies/100 ml	Daily	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	13 Monthly Average	Report Maximum Weekly Average	Million Gallons per Day	*****	*****	*****	*****	Daily	Continuous Recorder	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001 (Domestic / Municipal Wastewater Effluent)

RPNT0000000001: MS0020117-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Nitrogen (Total) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Monthly	24-hr Composite	Jan-Dec
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	1084 Monthly Average	1627 Maximum Weekly Average	pounds per day	*****	10 Monthly Average	15 Maximum Weekly Average	mg/L	Daily	24-hr Composite	Dec-Apr
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	759 Monthly Average	1138 Maximum Weekly Average	pounds per day	*****	7 Monthly Average	10.5 Maximum Weekly Average	mg/L	Daily	24-hr Composite	May-Nov
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Percent Removal</i>	*****	*****	*****	85 Minimum	*****	*****	mg/L	Monthly	Calculations	Jan-Dec
<i>Oxygen, dissolved Effluent</i>	*****	*****	*****	6.0 Minimum	*****	*****	mg/L	Daily	Grab Sampling	Jan-Dec
<i>Oxygen, dissolved In Aeration Unit</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	mg/L	Daily	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Daily	Grab Sampling	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001 (Domestic / Municipal Wastewater Effluent)

RPNT0000000001: MS0020117-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Phosphorus (Total) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Monthly	24-hr Composite	Jan-Dec
<i>Sludge Settleability 30 Minute In Aeration Unit</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	ml/L	Daily	Measurement	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	3253 Monthly Average	4879 Maximum Weekly Average	pounds per day	*****	30 Monthly Average	45 Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Percent Removal</i>	*****	*****	*****	85 Minimum	*****	*****	mg/L	Monthly	Calculations	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 101 (Internal Outfall from Meridian POTW)**

RPNT0000000002: **MS0020117-101**

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	2 Monthly Average	3 Maximum Weekly Average	mg/L	Daily	24-hr Composite	Dec-Apr
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	1 Monthly Average	1.5 Maximum Weekly Average	mg/L	Daily	24-hr Composite	May-Nov
<i>Ammonia Nitrogen, Total (as N) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Chlorine, total residual Effluent</i>	*****	*****	*****	0.3 Minimum	*****	*****	mg/L	Daily	Grab Sampling	Jan-Dec
<i>Copper (Total Recoverable) Effluent</i>	*****	*****	*****	*****	0.0051 Monthly Average	0.0072 Maximum Weekly Average	mg/L	Monthly	24-hr Composite	Jan-Dec
<i>Cyanide (Free-Amen. to Chlorination) Effluent</i>	*****	*****	*****	*****	0.0053 Monthly Average	0.0226 Maximum Weekly Average	mg/L	Monthly	24-hr Composite	Jan-Dec
<i>Flow Effluent</i>	13 Monthly Average	Report Maximum Weekly Average	Million Gallons per Day	*****	*****	*****	*****	Daily	Continuous Recorder	Jan-Dec
<i>Nitrogen (Total) Effluent</i>	*****	*****	*****	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Monthly	24-hr Composite	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 101 (Internal Outfall from Meridian POTW)

RPNT0000000002: MS0020117-101

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	10 Monthly Average	15 Maximum Weekly Average	mg/L	Daily	24-hr Composite	Dec-Apr
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	7 Monthly Average	10.5 Maximum Weekly Average	mg/L	Daily	24-hr Composite	May-Nov
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Percent Removal</i>	*****	*****	*****	85 Minimum	*****	*****	%	Monthly	Calculations	Jan-Dec
<i>Oxygen, dissolved In Aeration Unit</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	mg/L	Daily	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	SU	Daily	Grab Sampling	Jan-Dec
<i>Phosphorus (Total) Effluent</i>	*****	*****	*****	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Monthly	24-hr Composite	Jan-Dec
<i>Sludge Settleability 30 Minute In Aeration Unit</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	ml/L	Daily	Measurement	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 101 (Internal Outfall from Meridian POTW)**

RPNT0000000002: MS0020117-101

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Solids (Total Suspended) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	30 Monthly Average	45 Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	24-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Percent Removal</i>	*****	*****	*****	85 Minimum	*****	*****	%	Monthly	Calculations	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 201 (Internal Outfall from East Meridian POTW)

RPNT0000000003: MS0020117-201

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	2 Monthly Average	3 Maximum Weekly Average	mg/L	Daily	8-hr Composite	Dec-Apr
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	1 Monthly Average	1.5 Maximum Weekly Average	mg/L	Daily	8-hr Composite	May-Nov
<i>Ammonia Nitrogen, Total (as N) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	8-hr Composite	Jan-Dec
<i>Flow Effluent</i>	1.0 Monthly Average	Report Maximum Weekly Average	Million Gallons per Day	*****	*****	*****	*****	Daily	Calculations	Jan-Dec
<i>Nitrogen (Total) Effluent</i>	*****	*****	*****	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Monthly	8-hr Composite	Jan-Dec
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	10 Monthly Average	15 Maximum Weekly Average	mg/L	Daily	8-hr Composite	Dec-Apr
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	7 Monthly Average	10.5 Maximum Weekly Average	mg/L	Daily	8-hr Composite	May-Nov
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	8-hr Composite	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 201 (Internal Outfall from East Meridian POTW)**

RPNT0000000003: MS0020117-201

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Percent Removal</i>	*****	*****	*****	85 Minimum	*****	*****	%	Monthly	Calculations	Jan-Dec
<i>Oxygen, dissolved In Aeration Unit</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	mg/L	Daily	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	SU	Daily	Grab Sampling	Jan-Dec
<i>Phosphorus (Total) Effluent</i>	*****	*****	*****	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Monthly	8-hr Composite	Jan-Dec
<i>Sludge Settleability 30 Minute In Aeration Unit</i>	*****	*****	*****	Report Minimum	*****	Report Maximum	ml/L	Daily	Measurement	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	30 Monthly Average	45 Maximum Weekly Average	mg/L	Daily	8-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Influent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	Report Monthly Average	Report Maximum Weekly Average	mg/L	Daily	8-hr Composite	Jan-Dec
<i>Solids (Total Suspended) Percent Removal</i>	*****	*****	*****	85 Minimum	*****	*****	%	Monthly	Calculations	Jan-Dec

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: **Outfall 002 (Combined Domestic / Municipal Wastewater Effluent from Outfall 101 and 201)**
RPNT0000000004: **MS0020117-002**

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	217 Monthly Average	325 Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Daily	Calculations	Dec-Apr
<i>Ammonia Nitrogen, Total (as N) Effluent</i>	108 Monthly Average	163 Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Daily	Calculations	May-Nov
<i>Chlorine, total residual Effluent</i>	*****	*****	*****	*****	0.011 Monthly Average	0.019 Maximum Weekly Average	mg/L	Daily	Grab Sampling	Jan-Dec
<i>Fecal coliform, general Effluent</i>	*****	*****	*****	*****	200 Monthly Average	400 Maximum Weekly Average	# of colonies/100 ml	Daily	Grab Sampling	Jan-Dec
<i>Flow Effluent</i>	13 Monthly Average	Report Maximum Weekly Average	Million Gallons per Day	*****	*****	*****	*****	Daily	Continuous Recorder	Jan-Dec
<i>Nitrogen (Total) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Monthly	Calculations	Jan-Dec
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	1084 Monthly Average	1627 Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Daily	Calculations	Dec-Apr
<i>Oxygen Demand, carbonaceous biochemical, 5-day (20 degrees C) Effluent</i>	759 Monthly Average	1138 Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Daily	Calculations	May-Nov

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 002 (Combined Domestic / Municipal Wastewater Effluent from Outfall 101 and 201)

RPNT0000000004: MS0020117-002

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
<i>Oxygen, dissolved Effluent</i>	*****	*****	*****	6.0 Minimum	*****	*****	mg/L	Daily	Grab Sampling	Jan-Dec
<i>pH Effluent</i>	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	SU	Daily	Grab Sampling	Jan-Dec
<i>Phosphorus (Total) Effluent</i>	Report Monthly Average	Report Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Monthly	Calculations	Jan-Dec
<i>Solids (Total Suspended) Effluent</i>	3253 Monthly Average	4879 Maximum Weekly Average	pounds per day	*****	*****	*****	*****	Daily	Calculations	Jan-Dec

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Meridian POTW
Facility Requirements
Permit Number:MS0020117
Activity ID No.: PER20120003

Page 1 of 26

AI0000013261 (MS0020117) Municipality:

Limitation Requirements:

Condition	Parameter	Condition
L-1		There shall be no discharge of floating solids or visible foam in other than trace amounts. [11 Miss. Admin. Code Pt. 6, R. 2.2.A(2).]
L-2		The effluent shall not cause an accumulation of solids or sewage sludges in the receiving stream. [11 Miss. Admin. Code Pt. 6, R. 2.2.A(2).]
L-3		The discharges shall not cause the occurrence of a visible sheen on the surface of the receiving waters. [11 Miss. Admin. Code Pt. 6, R. 2.2.A(2).]
L-4		<p>Samples taken in compliance with the monitoring requirements specified in this permit shall be taken:</p> <p>For Outfall 001 samples shall be taken at the nearest accessible point after final treatment by Meridian POTW but prior to mixing with the receiving stream.</p> <p>For Outfall 002 samples shall be taken at the nearest accessible point after final treatment of the combined effluents from 101 and 201 but prior to mixing with the receiving stream.</p> <p>For Outfall 101 samples shall be taken at the nearest accessible point after final treatment by Meridian POTW but prior to mixing with the receiving stream.</p> <p>For Outfall 201 samples shall be taken at the nearest accessible point after final treatment by East Meridian POTW but prior to mixing with the effluent from Outfall 101.</p> <p>. [WPC-1 Chapter One Section IV.A(28)]</p>

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Meridian POTW
Facility Requirements
Permit Number:MS0020117
Activity ID No.: PER20120003

Page 2 of 26

AI0000013261 (continued):

Limitation Requirements:

Condition	Parameter	Condition
L-5	Monitoring for Free Cyanide and Total Recoverable Copper must be performed by a method listed in 40 CFR 136 and with the Minimum Quantitation Level (MQL) listed below. If the most stringent EPA approved method has a MQL that is not the same as or more stringent than the given MQL, then the most stringent EPA approved method must be used.	
	Parameter	MQL (parts per billion)
	Free Cyanide	5.2
	Total Recoverable Copper	5
	. [WPC-1 Chapter One]	
L-6	The combined effluent discharge from Outfall 101 and Outfall 201 shall not total over 13 million gallons per day (Monthly Average). [40 CFR]	
L-7	All discharges to waters of the State allowed by NPDES Permit MS0055735 (East Meridian POTW) shall cease, and permit MS0055735 revoked, upon the completion and operation of the infrastructure to allow for the transfer of the treated effluent to Mississippi Power Company's Kemper County Facility or alternately to Meridian POTW (MS0020117). [40 CFR]	
	The discharge of wastewater by the equalization basin into Outfall 001 or Outfall 101 will be considered a bypass of the wastewater treatment system, and is subject to the conditions of bypassing as addressed in Permit Conditions T-30 through T-34. [40 CFR]	

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Meridian POTW
Facility Requirements
Permit Number:MS0020117
Activity ID No.: PER20120003

Page 3 of 26

AI0000013261 (continued):

Record-Keeping Requirements:

Condition

Condition

R-1

Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such monitoring including:

- (1) The exact place, date, and time of sampling;
- (2) The dates the analyses were performed;
- (3) The person(s) who performed the analyses;
- (4) The analytical techniques, procedures or methods used; and
- (5) The results of all required analyses. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(a).]

Permit to Discharge Wastewater in Accordance with National Pollutant Discharge Elimination System

Meridian POTW
Facility Requirements
Permit Number:MS0020117
Activity ID No.: PER20120003

Page 4 of 26

AI0000013261 (continued):

Submittal/Action Requirements:

Condition

Condition

S-1

Sludge Management Requirements.

- (1) General Compliance: The permittee shall comply with all existing Federal and State laws and regulations that apply to its sewage sludge use and disposal practice(s), with the Mississippi Nonhazardous Waste Management Regulations and with the CWA Section 405(d) technical standards when promulgated.
- (2) Reopener: If an applicable "acceptable management practice" or numerical limitation for pollutants in sewage sludge promulgated under Section 405(d)(2) of the Clean Water Act, as amended by the Water Quality Act of 1987, is more stringent than the sludge pollutant limit or acceptable management practice in this permit, or controls a pollutant to conform to the requirements promulgated under Section 405(d)(2). The permittee shall comply with the limitations by no later than the compliance deadline specified in the applicable regulations as required by Section 405(d)(2)(D) of the Clean Water Act.
- (3) Notice of Change in Sludge Disposal Practice: The permittee shall give prior notice to the Director of any change(s) planned in the permittee's sludge use or disposal practice.
- (4) Cause for Modification: 40 CFR 122.62(a)(1) provides that the following is a cause for modification but not revocation and reissuance of permits except when the permittee requests or agrees.
- (5) Alterations: There are material and substantial changes or additions to the permitted facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]

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Pretreatment Requirements.

- (1) This permit shall be modified, or alternately revoked and reissued by a date to be determined to incorporate and approved municipal pretreatment program as required under Section 402(b)(8) of the Federal Water Pollution Control Act and implementing regulations or by the requirements of the approved State pretreatment program, as appropriate.
- (2) Effluent limitations from this discharge are listed in the Effluent Limitations section of this permit. If it becomes apparent that other pollutants attributable to inputs from major contributing industries using the municipal system are also present in the permittee's discharge, this permit may be revised to specify effluent limitations for any or all of such other pollutants in accordance with best practicable technology or water quality standards.
- (3) Under no circumstances shall the permittee allow introduction of the following wastes or pollutants into the waste treatment system.
 - (a) Pollutants which create a fire or explosion hazard in the treatment works;
 - (b) Pollutants which will cause corrosive structural damage to treatment works; but in no case discharges with a pH designed lower than 5.0, unless the works are specifically designed to accomodate such discharges;
 - (c) Solids or viscous substances in amounts which cause obstructions to the flow in sewer or interference with the proper operation of the treatment works;
 - (d) Wastewaters at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods so as to cause a loss of treatment efficiency;
 - (e) Heat in amounts which will inhibit biological activity in the treatment works resulting in interference, but in no case heat in such quantities that the temperature of the influent exceeds 40 degrees Celsius (104 degrees Fahrenheit), unless approval for alternate limits has been granted by the Permit Board. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]

S-3

Reporting

Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1) POSTMARKED NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. Copies of these, and all other reports required herein, shall be signed in accordance with 11 Miss. Admin. Code Pt. 6, R. 1.1.2.E and R. 1.1.2.E. of the Mississippi Wastewater Permit Regulations, and shall be submitted to the Mississippi Environmental Quality Permit Board at the following address:

Mississippi Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.E and R. 1.1.2.E.]

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S-4 Noncompliance Notification - Twenty-Four Hour Reporting

(1) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.

(2) The following shall be included as information which must be reported within 24 hours under this paragraph.

(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.

(ii) Any upset which exceeds any effluent limitation in the permit.

(iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.

(iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received within 24 hours. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(e).]

S-5 Noncompliance Notification - Other Noncompliance

The permittee shall report all instances of noncompliance not reported under the twenty-four hour reporting requirements, at the time monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the twenty-four hour reporting requirements contained in this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(f).]

S-6 Noncompliance Notification - Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Permit Board, it shall promptly submit such facts or information. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(g).]

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S-7	<p>Expiration of Permit</p> <p>At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later than the expiration date of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.5.B(1).]</p>

Narrative Requirements:

Definitions:

Condition No.	Condition
T-1	<p>Definitions: General</p> <p>The permittee shall refer to 11 Miss. Admin. Code Pt. 6, R. 1.1.1.A for definitions of any permit term not specified in this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A]</p>
T-2	<p>Definitions: Monthly Average</p> <p>"Monthly Average" means the average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during the month. The monthly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the calendar month. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(44).]</p>
T-3	<p>Definitions: Daily Discharge</p> <p>"Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily average" is calculated as the average measurement of the discharge of the pollutant over the day. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(15).]</p>

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Definitions:

Condition	Condition
T-4	<p>Definitions: Daily Maximum</p> <p>"Daily maximum" means the highest "daily discharge" over a calendar month. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(16).]</p>
T-5	<p>Definitions: Maximum Weekly Average</p> <p>Maximum Weekly Average means the highest "weekly average" over a monitoring period. [40 CFR 122]</p>
T-6	<p>Definitions: Toxic Pollutants</p> <p>"Toxic pollutants" means any pollutant listed as toxic under Section 307(a)(1) or, in the case of "sludge use or disposal practices", any pollutant identified in regulations implementing Section 405(d) of the Clean Water Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(71).]</p>
T-7	<p>Definitions: Hazardous Substances</p> <p>"Hazardous substances" are defined in 40 CFR 116.4. [40 CFR 116.4]</p>
T-8	<p>Definitions: Weekly Average</p> <p>"Weekly average" means the average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. The weekly average for fecal coliform bacteria is the geometric mean of all "daily discharges" measured in a calendar week. In computing the geometric mean for fecal coliform bacteria, one (1) shall be substituted for sample results of zero. For self-monitoring purposes, the value to be reported is the single highest weekly average computed during a calendar month. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(86).]</p>
T-9	<p>Definitions: Quarterly Average</p> <p>"Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter divided by the number of "daily discharges" measured during the quarter. The quarterly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the quarter. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(61).]</p>

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Definitions:

Condition	Condition
T-10	<p>Definitions: Maximum Monthly Average</p> <p>Maximum Monthly Average means the highest "monthly average" over a monitoring period. [40 CFR 122]</p>
T-11	<p>Definitions: Quarterly Maximum</p> <p>"Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [11 Miss. Admin. Code Pt. 6, R.1.1.1.A(62).]</p>
T-12	<p>Definitions: Yearly Average</p> <p>"Yearly Average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for fecal coliform bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [11 Miss. Admin. Code Pt. 6, R.1.1.1.A(87).]</p>
T-13	<p>Definitions: Yearly Maximum</p> <p>"Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(88).]</p>
T-14	<p>Definitions: Submitted</p> <p>Except as specifically defined, or otherwise noted, in an applicable regulation or permit, any report, application, or other document or information that is required by these regulations, or by a permit issued by the Permit Board, to be submitted to the Commission, Permit Board, or MDEQ shall be deemed submitted only upon its receipt by MDEQ. [11 Miss. Admin. Code Pt. 6, Ch.1, Subch.1.]</p>

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Condition	Condition
T-15	<p>The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule:</p> <p>Upon permit issuance the Permittee shall operate under the Effluent Limitations and Monitoring Requirements for Outfall 001. Effluent Limitations and Monitoring Requirements for Outfalls 002, 101, and 201 shall not apply. Upon completion and operation of the infrastructure to connect Meridian POTW, East Meridian POTW, and Mississippi Power Company's Kemper County Facility the Permittee shall operate under the Effluent Limitations and Monitoring Requirements for Outfalls 002, 101, and 201. Effluent Limitations and Monitoring Requirements for Outfall 001 shall not apply. [WPC-1 Chapter One Section IV.A(9)]</p>
T-16	<p>No later than 10 days following the date of compliance specified by this permit, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(10).]</p>
T-17	<p>Change in Discharge</p> <p>All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions or treatment modifications which result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application. If such changes will not violate the effluent limitations to the Mississippi Environmental Quality Permit Board, the permit may be modified to specify and limit any pollutants not previously limited. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A.]</p>
T-18	<p>Adverse Impacts</p> <p>The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of the permit that has a reasonable likelihood of adversely affecting human health or the environment. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(19).]</p>
T-19	<p>The permittee shall provide written notification to the Mississippi Commission on Environmental Quality no later than thirty (30) days after the loss of the permittee's certified operator. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 1.]</p>
T-20	<p>Representative Sampling</p> <p>Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [11 Miss. Admin. Code Pt. 6, R. 1.1.1.A(28).]</p>

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T-21	<p>Reporting</p> <p>If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement. [11 Miss. Admin. Code Pt. 6, Ch. 1, Subch. 2.]</p>
T-22	<p>Reporting</p> <p>If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(2).]</p>
3	<p>Reporting</p> <p>Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(15)(c)(3).]</p>
T-24	<p>Test Procedures</p> <p>Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(30).]</p>
T-25	<p>Records Retention</p> <p>All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for a minimum of three (3) years, unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(a).]</p>

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T-26	<p>Falsifying Reports</p> <p>Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(29)(d).]</p>
T-27	<p>Duty to Comply</p> <p>The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(2).]</p>
T-28	<p>Proper Operation, Maintenance and Replacement</p> <p>The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(18).]</p>
T-29	<p>Duty to Mitigate</p> <p>The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit that has a reasonable likelihood of adversely affecting human health or the environment. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(19).]</p>
T-30	<p>Bypassing</p> <p>The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 122.41(m). [40 CFR 122.41(m)]</p>

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T-31	<p>Bypassing - Definitions</p> <p>"Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.</p> <p>"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. [40 CFR 122.41(m)]</p>
T-32	<p>Bypassing - Bypass not exceeding limitations</p> <p>The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the notice and prohibition provisions of the bypass requirements in this permit. [40 CFR 122.41(m)]</p>
T-33	<p>Bypassing -Notice</p> <p>Anticipated bypass-</p> <p>If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.</p> <p>Unanticipated bypass-</p> <p>The permittee shall submit notice of an unanticipated bypass as required by the twenty-four hour reporting requirements set forth in this permit. [40 CFR 122.41(m)]</p>

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T-34	<p>Bypassing- Prohibition of Bypass</p> <p>(1) Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:</p> <p>(i) Bypass was unavoidable to prevent loss of life, personal injury, or sever property damage.</p> <p>(ii) There was no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and</p> <p>(iii) The permittee submitted notices as required under the Twenty-Four Hour reporting requirements set forth in this permit.</p> <p>(2) The Commission may approve an anticipated bypass, after considering its adverse affects, if the Commission determines that it will meet the three conditions listed above in paragraph (1) of this permit condition. [40 CFR 122.41(m)]</p>
T-35	<p>Upsets</p> <p>The permittee shall meet the conditions of 40 CFR 122.41(n) regarding "Upsets" and as in the upset requirements of this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>
T-36	<p>Upsets- Definition</p> <p>"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]</p>
T-37	<p>Upsets - Effect of an Upset</p> <p>An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the "conditions necessary for demonstration of upset" requirements of this permit are met. Any determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, shall not constitute final administrative action subject to judicial review. [11 Miss. Admin. Code Pt. 6, R.1.1.4.A(27).]</p>

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T-38 Upsets - Conditions necessary for demonstration of upset

A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
- (2) The permitted facility was at the time being properly operated;
- (3) The permittee submitted notice of the upset as required in 40 CFR 122.41(L)(6)(ii)(B)(24-hour notice of noncompliance); and
- (4) The permittee complied with any remedial measures required under 40 CFR 122.41(d) (Duty to Mitigate). [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]

T-39 Upsets - Burden of proof

In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(27).]

T-40 Removed Substances

Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Recovery Act, and the Mississippi Water Pollution Control Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(21).]

T-41 Power Failures

If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either:

- (1) Provide an alternative power source to operate the wastewater control facilities; or, if such alternative power source is not in existence, and no date for its implementation appears in the permit,
- (2) Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(22).]

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T-42	<p>Inspection and Entry</p> <p>The permittee shall allow any authorized Commission representative to enter the permittee's premises at any reasonable time, to have access to and copy any applicable records, to inspect process facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency event shall be conducted at reasonable times. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(17).]</p>
T-43	<p>Transfer of Ownership or Control</p> <p>This permit is not transferable to any person without proper modification of this permit following procedures found in [11 Miss. Admin. Code Pt. 6, R. 1.1.5.C.]</p>
T-44	<p>Signatory Requirements</p> <p>All applications, reports, or information submitted to the Permit Board shall be signed and certified. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>

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Signatory Requirements - Application Signatures

All permit applications shall be signed as follows:

(1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]

T-46

Signatory Requirements -Reports and Other Information

All reports required by the permit and other information requested by the Permit Board shall be signed by a person described by the application signature requirements in this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described by the application signature requirements;
- (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
- (3) The written authorization is submitted to the Permit Board. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]

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Condition	Condition
T-47	<p>Signatory Requirements - Changes to Authorization</p> <p>If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any reports, information, or applications. [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-48	<p>Signatory Requirements - Certification</p> <p>Any person signing a document under the signatory requirements stated in this permit shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." [11 Miss. Admin. Code Pt. 6, R. 1.1.2.C.]</p>
T-49	<p>Availability of Records</p> <p>Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed for review and copying requirements. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.E.]</p>
T-50	<p>Duty to Provide Information</p> <p>The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit Board upon request, copies of records required to be kept by the permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(16).]</p>

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Narrative Requirements:

Condition	Condition
T-51	<p>Toxic Pollutants</p> <p>The permittee shall comply with any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) established under Section 307(a) of the Federal Water Pollution Control Act. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(26).]</p>
T-52	<p>Toxic Pollutants Notification Requirements</p> <p>The permittee shall comply with the applicable provisions of 40 CFR 122.42. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(26).]</p>
T-53	<p>Civil and Criminal Liability</p> <p>(1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to the actions defined by law.</p> <p>(2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.</p> <p>(3) It shall not be the defense of the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(24).]</p>
T-54	<p>Oil and Hazardous Substance Liability</p> <p>Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(23).]</p>
T-55	<p>Property Rights</p> <p>The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin. Code Pt. 6, R. 1.1.5. E.]</p>

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Narrative Requirements:

Condition	Condition
T-56	<p>Severability</p> <p>The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(25).]</p>
T-57	<p>Protection of Confidential Information</p> <p>(1) Pursuant to Miss. Code Ann. ' 49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. ' 49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>
T-58	<p>Protection of Confidential Information- continued</p> <p>(2) A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to part (1) of this requirement, shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>
T-59	<p>Protection of Confidential Information- continued</p> <p>(3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. ' 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed. [11 Miss. Admin. Code Pt. 6, R. 1.1.3.F.]</p>

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Narrative Requirements:

Condition

Condition

T-60 Spill Prevention and Best Management Plans

Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(12)(a).]

T-61 Reopener Clause

This permit shall be modified, or alternately, revoked and reissued, to comply with any applicable effluent standard, limitation or storm water regulation issued or approved under Section 301(b)(2)(C), and (D), 304(b)(2), 307(a)(2) and 402(p) of the Federal Water Pollution Control Act if the effluent standard, limitation or regulation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit; or
3. This permit shall be modified to reflect any additional or otherwise more stringent limitations and additional monitoring as determined to be necessary by the results of a Completed TMDL. [WPC-1 Chapter One Section IV.F(1)]

T-62 Closure Requirements

Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for environmental hazard to waters of the State. [11 Miss. Admin. Code Pt. 6, R. 1.1.4.A(11).]

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AI0000013261 (continued):

Narrative Requirements:

Condition	
	Condition
T-63	Permit Actions The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [11 Miss. Admin. Code Pt. 6, R. 1.1.5.C(5).]
T-64	Effluent limitations and monitoring requirements for Outfalls 001, 002, 101, 201 as listed in this permit will only be applicable when the treated effluent from that outfall is ultimately discharged into Sowashee Creek. [WPC-1 Chapter One]
T-65	The facility shall record and make available upon request the durations of all discharges of treated wastewater from Outfall 002. [WPC-1 Chapter One]

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RPNT0000000001 (MS0020117-001) Outfall 001 (Domestic / Municipal Wastewater Effluent):

Submittal/Action Requirements:

Condition	Condition
S-1	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR); Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One IV.A(15)c]

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RPNT0000000002 (MS0020117-101) Outfall 101 (Internal Outfall from Meridian POTW):

Submittal/Action Requirements:

Condition	
	Condition
S-1	The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-I Chapter One IV.A(15)c]

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RPNT0000000003 (MS0020117-201) Outfall 201 (Internal Outfall from East Meridian POTW):

Submittal/Action Requirements:

Condition

1.

Condition

S-1

The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One IV.A(15)c]

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RPNT0000000004 (MS0020117-002) Outfall 002 (Combined Domestic / Municipal Wastewater Effluent from Outfall 101 and 201):

Submittal/Action Requirements:

Condition

Condition

S-1

The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR); Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One IV.A(15)c]

GENERAL INFORMATION

Meridian POTW
311 27th Avenue
Meridian, MS
Lauderdale County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
15261	City of Meridian	Official Site Name	3/14/1995	
MS0020117	Meridian POTW	Water - NPDES	3/15/2000	2/22/2005
MS0020117	Meridian POTW	Water - NPDES	3/14/1995	3/13/2000
MS0020117	Meridian POTW	Water - NPDES	2/22/2005	1/31/2010
MS0020117	Meridian POTW	Water - NPDES	6/8/2010	5/31/2015

Basin: Pascagoula River Basin

Location Description:

Relevant Documents: Cover Letter, Lab Data, Form 2A